

# PyCharm 201.4865.17 Release Notes

Code Insight	Bug	<a href="#">PY-20708</a>	Return type of hashlib.md5() is unknown
	Bug	<a href="#">PY-39848</a>	Unexpected argument flask set_cookie samesite
	Bug	<a href="#">PY-39956</a>	code completion for " from itertools import prod.."
Console	Bug	<a href="#">PY-40179</a>	A port on 0.0.0.0 is being opened for listening when launching Python console
Debugger	Cosmetics	<a href="#">PY-39119</a>	Rename host address in Remote Debug Server settings
Django	Feature	<a href="#">PY-23351</a>	Add support for Django TEMPLATE builtins
Docker	Bug	<a href="#">PY-40123</a>	Python Run Configuration (docker-compose) fails with "Could not find docker0 network interface" error when started in debug mode
IDE	Bug	<a href="#">PY-38866</a>	Disable of YAML plugin crashes Pycharm installation
Inspections	Bug	<a href="#">PY-19522</a>	"Unexpected Argument" when registering CSV dialect
	Bug	<a href="#">PY-39682</a>	Ignored references in inspections settings for unresolved references in Python does not work anymore
	Bug	<a href="#">PY-28784</a>	PyCharm no longer understands distutils structure
	Bug	<a href="#">PY-32123</a>	Raw format strings expect backslashes to be escaped
Interpreter Settings	Feature	<a href="#">PY-40336</a>	Configure Python interpreter automatically
	Feature	<a href="#">PY-40351</a>	Ability to install Python from PyCharm on Windows
Refactoring	Bug	<a href="#">PY-24232</a>	Convert to f-string literal doesn't remove escaping for % characters
	Bug	<a href="#">PY-26286</a>	Intention "Convert from variadic to normal parameters" breaks function definitions if the same item is accessed multiple times
	Bug	<a href="#">PY-38319</a>	Intention 'Convert to f-string' doesn't escape curly braces
Remote Interpreters	Bug	<a href="#">PY-40120</a>	Upgrading version of IDEA Ultimate with installed Python plugin ruins configured remote Python interpreters
Test Runner	Bug	<a href="#">PY-25586</a>	Predefined working directory in defaults breaks test runners
Build	Bug	<a href="#">IDEA-219014</a>	Cannot launch run/debug configurations after 2019.2 update
Build. Built-in (JPS)	Feature	<a href="#">IDEA-231528</a>	Update "Error Prone" compiler to 2.3.4
	Bug	<a href="#">IDEA-231222</a>	ClassCastException: LinkedHashMap\$Entry cannot be converted to HashMap\$TreeNode in PathRelativizerService
	Bug	<a href="#">IDEA-165391</a>	Compilation with -XprintProcessorInfo -XprintRounds sometimes "fails", even if it succeeds :-)
	Bug	<a href="#">IDEA-230922</a>	IntelliJ Incremental Compiler fails if annotation processor is running with printProcessorInfo and any of the annotations contain the word "error"
	Bug	<a href="#">IDEA-231506</a>	Error-Prone plugin: use HTTPs for Maven URL
Build. Gradle	Bug	<a href="#">IDEA-184090</a>	stdout not flushed to console until new line
	Bug	<a href="#">IDEA-231214</a>	Default Gradle tasks should not be run on import
	Bug	<a href="#">IDEA-220229</a>	GradleDiagrams: Do not throw exception if Gradle run failed
	Bug	<a href="#">IDEA-228182</a>	BuildListener#buildStarted(Gradle) has been deprecated
	Bug	<a href="#">IDEA-230036</a>	Cannot select downloading jvm in gradle settings
	Bug	<a href="#">IDEA-209234</a>	IDEA with bundled Java 11: import of Gradle projects is broken
	Bug	<a href="#">IDEA-219056</a>	After upgrading IntelliJ to 2019.2, Gradle project can not resolve artifacts from Jfrog Artifactory

	Bug	IDEA-226845	--enable-preview not setting language version when used in gradle
	Bug	IDEA-229075	Sync should not resolve compileOnly configuration
	Bug	IDEA-230992	IDEA console stalls when Gradle asks user to accept terms of use
	Bug	IDEA-223152	IDEA sync fails when a Gradle project depends on a transformed variant of another project (artifact transforms)
	Usability	IDEA-219200	Changing the type of source folder in Gradle build script does not change type of source folder in IJ on import
Build. Maven	Bug	IDEA-215618	Maven: Generate   Dependency: SearchForClass returns no results
	Bug	IDEA-230356	Automatic detection AspectJ for Module doesn't work for aspectj-maven-plugin from com.nickwongdev
	Performance	IDEA-230700	MavenIndex starts too many pooled threads
Code Analysis. Structural Search	Bug	IDEA-231441	Enum constant argument lists and enum constant initializers are not matched
Core. IDE Settings	Bug	IDEA-230500	Fail to change the sync account after I delete the account
	Task	IDEA-169262	Settings: move "Tooltip initial delay" option under registry key
	Exception	IDEA-228348	SystemHealthMonitor - NPE
Core. IDE Settings. Sharing	Task	IDEA-231281	Fix Sync Settings to JBA options location in the Main menu
Core. Installation	Feature	IDEA-195719	Extract Java support to a separate plugin in IntelliJ IDEA
	Bug	IDEA-231073	Uninstalling IDEA doesn't delete caches and config
	Usability	IDEA-230819	Installed custom plugins are lost after updating if custom idea.config.path is used
	Task	IDEA-203640	Remove dependency from intellij.platform.util to platform.resources.en
Core. Navigation and Search	Bug	IDEA-230721	Method name in "Recent Locations" is truncated unnecessarily
	Usability	IDEA-147434	Navigation bar: File list should use natural sort order
Core. Platform API	Feature	IDEA-230423	Allow to call commitDocument in background threads for documents with non-physical files
	Bug	IDEA-228248	avoid "Calculate method parameter info in non UI thread" to restart daemon
	Task	IDEA-230811	Report IDE error when the same reference resolves to non-equivalent results in different threads
Core. Plugin Management	Bug	IDEA-231814	Enabling/disabling dynamic plugin via Actions always suggests restarting
	Bug	IDEA-231658	Plugins: on enabling plugin the plugin(s) it depends on are not enabled automatically
	Bug	IDEA-229772	IDE freezes after updating plugins
	Bug	IDEA-231564	Plugin disabling by toggling it off in the Find Action popup disables a lot of plugins that don't depend on it
	Cosmetics	IDEA-231654	Plugins: correct text in 'Disable Dependent plugins' dialog
	Exception	IDEA-231648	AE at com.intellij.ide.plugins.newui.RestartButton.lambda\$new\$0
	Exception	IDEA-231562	Velocity plugin enabling causes exception
Core. Project Settings	Cosmetics	IDEA-227208	Grammatical error in IDEA UI for setting up project
Core. Quick Documentation	Bug	IDEA-230513	Parameter Info doesn't work for Java and Kotlin methods

	Bug	<a href="#">IDEA-231385</a>	External documentation providers shouldn't be running under read lock
Core. Run. Configurations	Bug	<a href="#">IDEA-230605</a>	The beforeRun Maven tasks before run Application
	Usability	<a href="#">IDEA-231069</a>	Edit Run Configurations dialog: new RC adding doesn't work when you use quick search for navigation to node with subnodes
Core. Run. Targets	Bug	<a href="#">IDEA-231610</a>	Java debug for docker target fails with `Ports are not available: socket: too many open files`
Core. SSH	Exception	<a href="#">IDEA-230859</a>	IDE Exception when trying to start SSH session
Core. Statistics	Task	<a href="#">IDEA-229358</a>	Please make com.intellij.statistics.validation.customWhiteListRule dynamic
Editor. Editing Text	Feature	<a href="#">IDEA-160396</a>	Make `Delete to line start` action behavior consistent with Mac
	Bug	<a href="#">IDEA-231047</a>	Auto-import on the fly doesn't work in files modified in non-default changelist
	Bug	<a href="#">IDEA-229719</a>	Editor loses selection when context menu is opened
Editor. Intention Actions	Feature	<a href="#">IDEA-222636</a>	Intention preview
	Performance	<a href="#">IDEA-228916</a>	IntentionAction.isAvailable() shouldn't be called in EDT on F2 / Shift+F2
Lang. JSON	Bug	<a href="#">IDEA-231779</a>	JSON Schema Validator: Integer values restricted to 32 bit during validation
Lang. Shell Script	Bug	<a href="#">IDEA-231408</a>	Shell Script plugin: Bash Terminal rewrites script file path in a way that bash shell can't read it
	Bug	<a href="#">IDEA-231148</a>	Shell: Parsing error for quoted string expansion `\${...}`
	Bug	<a href="#">IDEA-227953</a>	Shell script: terminal tabs are not respecting the run configuration title
Lang. XPath and XSLT	Usability	<a href="#">IDEA-231642</a>	Add proper highlighting of injected XPath in macOS/Windows Light
	Usability	<a href="#">IDEA-230950</a>	XPath in language injection fragments is highlighted with confusing red color in Darcula
Tools. Docker	Feature	<a href="#">IDEA-190810</a>	Support for multiple tags when building
	Bug	<a href="#">IDEA-179900</a>	Docker exec tab does not correctly wrap
	Bug	<a href="#">IDEA-207582</a>	Cannot use more than one terminal in container using exec `/bin/bash`.
	Exception	<a href="#">IDEA-219940</a>	Docker: com.github.dockerjava.api.exception.NotFoundException: {"message":"no such exec"} at attempt to edit some exec tabs
Tools. Terminal	Bug	<a href="#">IDEA-231032</a>	Cannot open new terminal tab in RubyMine
	Exception	<a href="#">IDEA-231286</a>	"Open in Terminal" action fails to run
User Interface. Accessibility	Bug	<a href="#">IDEA-225647</a>	Mnemonics not working on "View Mode" menu items.
User Interface. Console View	Usability	<a href="#">IDEA-231959</a>	Cannot see whole Java path on Windows in Run/Debug console
User Interface. Controls	Bug	<a href="#">IDEA-230825</a>	Color Scheme UI: field with color value is always showing truncated text
	Cosmetics	<a href="#">IDEA-225998</a>	Scroll bars background is not transparent
User Interface. Embedded Browser (JCEF)	Bug	<a href="#">IDEA-230863</a>	JCEF white flash on load
User Interface. Find, Replace, Usages	Bug	<a href="#">IDEA-230545</a>	'Search Accessors' dialog is shown simultaneously with 'Show Usages' results popup

	Bug	<a href="#">IDEA-231072</a>	intellij idea incorrect processing of regex: "regular expression matches empty string"
	Bug	<a href="#">IDEA-209596</a>	"Invoke Show Usages again to search in all files" doesn't work
User Interface. Focus	Bug	<a href="#">IDEA-231836</a>	Focus is moved to wrong IDE windows when modal dialog appears
	Bug	<a href="#">IDEA-202932</a>	Unexpected workspace switching after showing MacSheets dialog
User Interface. Keyboard Input	Bug	<a href="#">IDEA-219679</a>	Keymaps plugins don't work in AppCode and DataGrip
User Interface. Look and Feel	Feature	<a href="#">IDEA-232027</a>	Make selection in IntelliJ scheme lighter to leave highlighting
	Bug	<a href="#">IDEA-228042</a>	Project description floats freely on screen
	Bug	<a href="#">IDEA-231665</a>	Dracula theme broken with 201.3803.71 update
User Interface. Navigation	Bug	<a href="#">IDEA-231596</a>	Enum method is not correctly selected in navbar
	Bug	<a href="#">IDEA-231342</a>	Weird nav bar for lambda: surrounding class is missing
	Usability	<a href="#">IDEA-11943</a>	Navigation bar: Alt-F1 should immediately open list
	Cosmetics	<a href="#">IDEA-231316</a>	Select the whole line in NavBar popup
User Interface. Project View	Usability	<a href="#">IDEA-224710</a>	Project view does not show current focus when selecting via keyboard
User Interface. Services View	Exception	<a href="#">IDEA-231056</a>	AE at com.intellij.database.dataSource.DataSourceStorage.readState
Version Control. Git	Bug	<a href="#">IDEA-228523</a>	When cherry-picking with git, the automatically opened Commit dialog deselects the first file
	Bug	<a href="#">IDEA-230743</a>	Clone button stays disabled after installing Git
	Bug	<a href="#">IDEA-231282</a>	Throwable at com.intellij.vcs.log.impl.PostponableLogRefresher.addLogWindow
Version Control. Log	Cosmetics	<a href="#">IDEA-228572</a>	Git log: two different colors for link rendering
No subsystem	Bug	<a href="#">DBE-8871</a>	Can no longer add "external schemas" in schema list (Redshift)
DB Diagram	Bug	<a href="#">DBE-9903</a>	DB Diagram shows constraint differently in 2019.3 version
DB Diff	Bug	<a href="#">DBE-8835</a>	Schema diff comparison with DDL. Don't show differences for native and default words
DB Introspection	Bug	<a href="#">DBE-4856</a>	Azure: db_id() doesn't work, we need a workaround
	Bug	<a href="#">DBE-8344</a>	Viewing or editing procedures on DB2 for i (AS/400) systems fails
	Bug	<a href="#">DBE-9980</a>	Auto sync is not working if create schema and objects from console
	Bug	<a href="#">DBE-8504</a>	DB Synchronize failure
DB Refactoring	Bug	<a href="#">DBE-8889</a>	Sqlite Constraint Check lost when table is modified
DB Schema Views	Usability	<a href="#">DBE-1476</a>	Change shortcut for Refresh action in Database Tool Window
	Usability	<a href="#">DBE-7219</a>	"Import from sources" action is unclear
Data Import & Export	Feature	<a href="#">DBE-2640</a>	[Feature Request] Download query output as markdown table
	Bug	<a href="#">DBE-8732</a>	CSV Import - please swap default LOB from Text to varchar(max) to better support modern (post 2005) versions of SQL Server
Data Views	Bug	<a href="#">DBE-8788</a>	BLOB Record modifications in Database explorer, after automatic reload, shows a Java object reference
	Bug	<a href="#">DBE-8857</a>	Query width gets wider and wider with each return (visual bug)
Navigation & Search	Usability	<a href="#">DBE-8895</a>	Find Usages   Sort by line number
SQL Completion	Bug	<a href="#">DBE-8785</a>	Some objects are not loaded in the completion popup

	Performance	DBE-9844	Huge freeze during autocomplete database table names in joins
SQL Format and Style	Bug	DBE-8845	Cursors need to be left-aligned
SQL General	Bug	DBE-10031	Everything is red
SQL Generation	Bug	DBE-8826	After editing a package, the last ; is removed during submission to database
SQL Highlighting	Feature	DBE-8330	Datagrip literals auto-injection
No subsystem	Bug	WEB-43484	'Introduce variable' breaks for 'as' type casts in TypeScript if no whitespace after parentheses
	Bug	WEB-43539	Yeoman requires restart after disable
	Exception	WEB-43488	NullPointerException when enable prettier plugin
CSS	Bug	WEB-43562	Exception after enabling postCSS plugin
Debugger	Bug	WEB-43315	"Step into" does not work for libraries in 2020.1
HTML	Bug	WEB-43422	"Insert closing tag on tag completion" can't be unchecked & saved
JSON	Bug	WEB-43566	JSON: incorrect syntax after adding a single quote
	Bug	WEB-43447	Java process of IDE stays alive after ide is closed if project contains JS files
JavaScript	Feature	WEB-43397	JavaScript: enable completion autopopup in string literals if the context type is an union type with string literals
	Bug	WEB-43307	"Extract constant" does not work when selecting incomplete part of the expression in a function return
	Bug	WEB-43614	Inline type info not truncated
	Bug	WEB-43351	'Extract variable' does not work when selecting the last part of the expression with minus
	Bug	WEB-41959	Type is not inferred for named function imported through jsdoc
	Bug	WEB-43622	Remove braces intention results in invalid code
	Bug	WEB-20508	Quick Definition of default item imported via ES6 import statement results in viewing import statement not definition in actual import
	Bug	WEB-41899	Do not suggest Class as a class name after the `class` keyword
	Bug	WEB-43327	React.js: "Expand selection" works incorrectly in Redirect tag expression
	Bug	WEB-43612	Flow: statement expected is thrown when a UnionTypeAnnotation is used as type annotation of type parameters.
	Bug	WEB-43375	'Extract field' doesn't insert element with this when invoking inside array or indexer
	Bug	WEB-43443	syntax error on object spread with `in` and conditional operator
	Performance	WEB-43493	IDE Freeze in 2019.3.2
	Performance	WEB-43019	PHPStorm 2019.3 slow performance, autocomplete and inline validation take between 1 and 5 seconds to complete
	Usability	WEB-43369	Popup 'Extract field' jumps to first occurrence
	Usability	WEB-43319	A popup to select a field name overlaps on popup 'Introduce field'
	Usability	WEB-41072	Show file path in "Choose declaration" popup
JavaScript. Formatter	Usability	WEB-43227	Improve action name in the intentions popup when suggesting to import code style
JavaScript. Frameworks	Feature	WEB-26950	Vuex: implement store symbols resolution within Vue components
	Feature	WEB-43549	Vuex: support namespaced mappers in components

	Feature	WEB-43540	Vuex: implement store symbols resolution in decorated components
	Feature	WEB-43542	Vuex: support root actions from namespaced modules
	Feature	WEB-43541	Vuex: implement resolution of store symbols in qualified references
	Bug	WEB-38949	'Closing Tag' suggestion box incorrectly suggests tags which have already been properly closed in JSX files
	Bug	WEB-42439	Live Templates: Angular: correctly expand a template invoked in the class context
	Bug	WEB-43348	Code completion doesn't work unless React typings are installed
	Bug	WEB-42012	jsconfig.json is not supported in *.vue files
JavaScript. Inspections	Bug	WEB-42349	'Assignment used as condition' should not be reported for mutable loop conditions
	Bug	WEB-43623	unnecessary parentheses in javascript is not unnecessary
	Usability	WEB-43346	Improve warning in the Potentially invalid constructor usage inspection
JavaScript. Refactoring	Bug	WEB-9805	JS: wrong code scope computing
	Bug	WEB-39734	Extract field: should introduce after the initialization in constructor
	Bug	WEB-43309	'Introduce variable' adds braces in the wrong sequence for arrow functions nested in invocations
	Bug	WEB-43507	'Introduce field' breaks before generators when code style for semicolons is to omit semicolons
	Bug	WEB-42462	'Replace ?: with if-else' produces red code
	Bug	WEB-43483	'Extract variable' removes parent expression when called on a string without quotes
	Bug	WEB-43573	Exclude occurrences in type predicate from refactoring
	Bug	WEB-38311	'Change signature' doesn't work with tagged template usages
	Bug	WEB-25891	`Extract variable` does not correctly work with scopes
	Bug	WEB-39972	Move module member: should not be available when caret is on reference to readonly library file
	Bug	WEB-42461	AssertionError when call 'Replace with indexer access'
	Bug	WEB-43332	Introduce Variable leaves unnecessary parentheses
	Bug	WEB-43344	Introduce field: wrong scope detection when extracting a constant substring of a template literal referencing inner vars
	Bug	WEB-43435	Introduce variable fails with parenthesized expressions in return in if-else without braces
	Bug	WEB-42500	"Extract" refactorings don't properly handle ASI rules
	Bug	WEB-12591	Extract variable not pulling near occurrence
	Exception	WEB-39078	Exception when invoking in-place introduce var from expression with parenthesized occurrences
	Exception	WEB-42459	AssertionError when call 'Introduce variable' or 'Introduce parameter' in handlebar template
	Exception	WEB-42437	'Extract variable' causes an exception in script tag in HTML
Linters	Bug	WEB-43396	Support Prettier with Yarn PnP >= 2.0.0-rc23
	Bug	WEB-43384	Support ESLint with Yarn PnP >= 2.0.0-rc23
Node.js	Feature	WEB-43383	Recognise more .env.* files

	Feature	<a href="#">WEB-38187</a>	IntelliJ IDEA cannot find Yarn binary when Yarn is installed with Yarn Version Manager
	Bug	<a href="#">WEB-43370</a>	IllegalStateException when trying to add remote interpreter
	Bug	<a href="#">WEB-43298</a>	Can't install packages with yarn 2.0.0-rc22
	Bug	<a href="#">WEB-43414</a>	Support Mocha with Yarn PnP >= 2.0.0-rc23
SASS	Bug	<a href="#">WEB-43552</a>	Disable/Enable Sass plugin throws exception
	Bug	<a href="#">WEB-43264</a>	SASS/SCSS inspection error when using '#' with '\$'
TypeScript	Feature	<a href="#">WEB-43379</a>	Support using ttypescript as Typescript language service
	Feature	<a href="#">WEB-26987</a>	TypeScript: "Create Method" should generate signature with return type
	Feature	<a href="#">WEB-27333</a>	TypeScript refactoring: generate type specifier when extracting variable
	Bug	<a href="#">WEB-42139</a>	Add JSON files to Typescript import completion
	Bug	<a href="#">WEB-42061</a>	Typescript code completion (For casting return type)
	Bug	<a href="#">WEB-43238</a>	'Generate destructuring patterns' fails on assignment property of enum
	Bug	<a href="#">WEB-29438</a>	Refactor / Extract Field: Type is not generated
	Bug	<a href="#">WEB-43431</a>	Completion should autopopup for object type members
	Bug	<a href="#">WEB-40503</a>	TS: Incorrect completion in generics
	Bug	<a href="#">WEB-40535</a>	Quick documentation for import types in TypeScript TSDoc
	Bug	<a href="#">WEB-42812</a>	Add `declare` Property Modifier to completion
	Bug	<a href="#">WEB-43352</a>	TypeScript: mapping between ".ts" and ".d.ts" files works incorrectly for variables
	Bug	<a href="#">WEB-40099</a>	TypeScript - incorrect "Remove unused field" quick fix
	Bug	<a href="#">WEB-43615</a>	TypeScript optional chaining is incorrectly resolved when type aliases are used
	Bug	<a href="#">WEB-43406</a>	Improve completion after 'readonly' in types
	Performance	<a href="#">WEB-43333</a>	TS: Auto-import quick-fix consumes a lot of EDT time
	Performance	<a href="#">WEB-43240</a>	High CPU Usage and long waiting when autocomplete in vuex project
	Usability	<a href="#">WEB-41450</a>	Provide better handling for long inlay hints (particularly React.useState)
	Usability	<a href="#">WEB-41913</a>	Impossible to differentiate entries with same name in the same-named files in Search Everywhere, Go to Class, and Go to Symbol
	Cosmetics	<a href="#">WEB-42210</a>	Improve presentation of inlay hints for parameters that have type recursion
	Task	<a href="#">WEB-42637</a>	Investigate support for TypeScript with Yarn 2
	Task	<a href="#">WEB-43594</a>	Improve "Explicit member type" inspection
Unit Tests	Bug	<a href="#">WEB-43290</a>	Running single Jest test fails if a project directory is a symlink
	Bug	<a href="#">WEB-43584</a>	Unable to run single Karma test with karma-jasmine >= 3.1.0
	Bug	<a href="#">WEB-43355</a>	In failed karma tests links follow to localhost, not to the file system